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## Patent Abstracts of Japan

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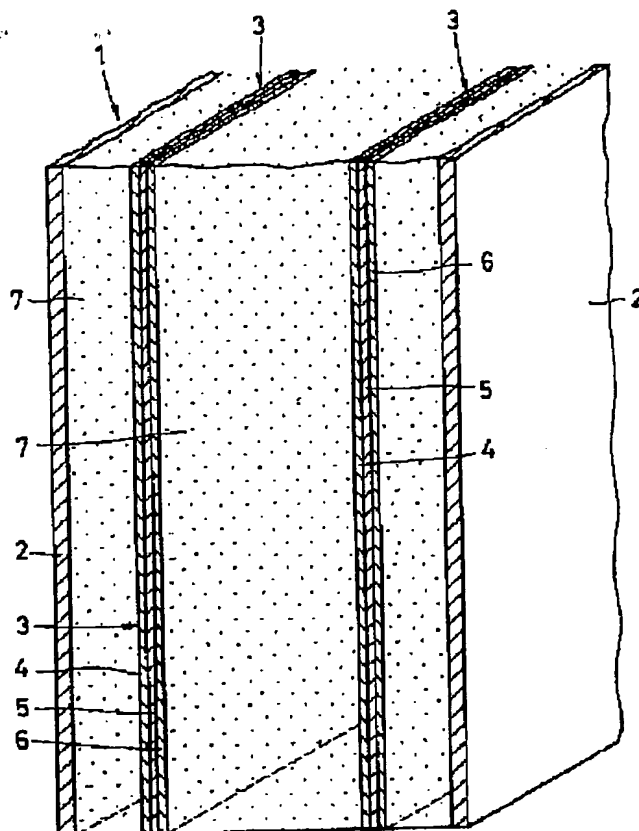
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APPLICANT : NIPPON STEEL CORP;

INVENTOR : SAITO HITOSHI;

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TITLE : MAGNETIC SHIELDING EXTERNAL  
WALL MATERIAL



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide a magnetic shielding external wall material which is excellent in anticorrosive performance, magnetic shielding performance and strength by sealing plural multilayer electromagnetic steel plate panels at intervals inside two enclosing materials arranged at intervals in parallel to each other.

**SOLUTION:** Two enclosing materials 2 and 2 composed of a steel plate are arranged at prescribed intervals in parallel to each other, and plural multilayer electromagnetic steel plate panels 3... are sealed at intervals in parallel to the enclosing materials 2 inside of them. Core materials 7 and 7 such as asbestos and polyurethane are filled in a cavity between the enclosing materials 2. These multilayer electromagnetic steel plate panels 3 are constituted by layering nondirectional electromagnetic steel plates 4 and 4 and plural directional electromagnetic steel plates 5, 5, 6 and 6 which are easily magnetized and whose shaft directions are different from each other. Therefore, desired thickness and mechanical strength can be easily given to a magnetic shielding external wall material 1, and anticorrosive performance and magnetic shielding performance can be improved.

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